

UMBILICAL CORD BLOOD AND TISSUE BANKING



Cord blood

is the blood in a baby's umbilical cord and placenta.

Cord tissue

is a segment of the umbilical cord itself.



Collection

is non-invasive, painless, and does not interfere with your delivery. The actual collection only takes a few minutes.



Stem cells

Your baby's cord blood and tissue contain a diverse mixture of powerful stem cells which can be used now for medical treatments, with increasing potential for future use in cellular therapy treatments.



Your baby's stem cells

are a perfect match for your child and could be a match for siblings.

What cord blood is used for

- Cord blood is used as a source of hematopoietic stem cells (HSCs) for bone marrow transplants.
- Cord blood has been used in transplants for 80+ diseases including cancers, blood disorders, metabolic disorders and genetic diseases.
- Cord blood is being investigated for treatment of a number of non-blood related disorders including cerebral palsy, autism, stroke, hypoplastic left heart syndrome, acquired hearing loss, Type 1 diabetes and neonatal encephalopathy.

What cord tissue may be used for

- Mesenchymal stem cells (MSCs) are the prominent stem cells in cord tissue.
- MSCs inhibit inflammation, suppress the immune response, aid in tissue repair and differentiate into structural tissue including bone and cartilage.
- There are currently 70+ ongoing clinical trials that are investigating the potential of MSCs to help treat a variety of medical conditions, including stroke, multiple sclerosis, rheumatoid arthritis and wound repair.

Cord Blood FAQs

Who can use cord blood?

Self, siblings, and potentially other family members.

Can the donor use their own cord blood?

Yes, for acquired conditions. Not for inherited conditions.

How long does stored cord blood last?

Samples have been validated and tested up to 24 years. Lifetime potential.

What to look for in a cord blood bank?

Quality accreditations: Health Canada, FACT, AABB

Can I bank cord blood and cord tissue during the COVID-19 pandemic?

We're maintaining our laboratory and collection network in full operation to ensure uninterrupted services.

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